

[INCH-POUND]
A-A-55517/3B
12 December 2002
SUPERSEDING
A-A-55517/3A
17 June 1997

COMMERCIAL ITEM DESCRIPTION
SPECIFICATION SHEET

RESISTOR, FIXED, CARBON FILM,
1/2 WATT

The General Services Administration has authorized the use of this
Commercial Item Description (CID) for all agencies.

The complete requirements for procuring a 1/2 watt, fixed, carbon film resistor described herein shall
consist of this document and the issue in effect of CID A-A-55517.

CLASSIFICATION. This CID uses a classification system which is included in the Part Identification
Number (PIN) as shown in the following example (see notes).

AA55517	03	***	*
_____	_____	_____	_____
CID number	Applicable CID sheet (two digits)	Resistance	Tolerance

SALIENT CHARACTERISTICS

Interface and physical dimensions. The resistors supplied to this CID shall meet the interface and
physical dimensions as specified herein (see figure 1).

Power rating. The power rating for the resistor shall be 1/2 watt.

Voltage rating. The voltage rating shall be 350 V.

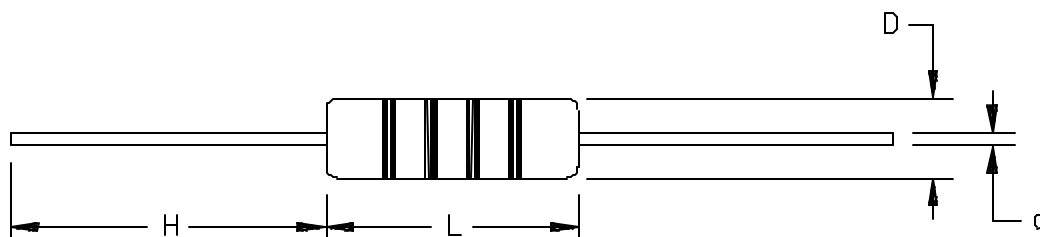
Overload voltage. The overload voltage shall be 700 V.

Resistance. The resistance range shall be 1.0 ohm to 22 megohms.

Resistance tolerance. The standard resistance tolerance available is J (± 5 percent). G (± 2 percent), and
K (± 10 percent) are also available.

Operating ambient temperature. The operating ambient temperature range shall be -55°C to $+155^{\circ}\text{C}$.

Marking. The resistors supplied to this CID shall be marked as specified in A-A-55517.



Dimension			
L	D	H	d
0.355 ±.040 (9.02 ±1.02)	0.122 ±.024 (3.1 ±.61)	0.788 min. (20.02 min.)	0.025 ±.003 (0.64 ±.08)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given in parenthesis for general information only.
3. The picturization of the style above is given as a representative of the envelope item. Light deviations from the outline shown, which are contained within the envelope and do not alter the functional aspects of the device, are acceptable.

FIGURE 1. Dimensions and configuration.

NOTES.

The PIN should be used for Government purposes to buy commercial products to this CID. See classification information for PIN format example.

Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these resistors to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

Source of documents.

Commercial Item Description

A-A-55517 - Resistor, Fixed, Carbon Film, General Requirements for.

(Copies of federal specifications and standards are available from the Document Automation and Production Service, Building 4D, (DPM-DODSSP), 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

Ordering data. Ordering data is as specified in A-A-55517.

Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID (See Table II). (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown).

TABLE II. Commercial products.

CID PIN	MFR's CAGE	MFR's name and address
AA5551703****	08KU4	RFE International, Inc. 20432 Barents Sea Circle Lake Forest, CA 92630
AA5551703****	56637	RCD Components, Inc. 520 East Industrial Park Dr. Manchester, NH 03109-5316

Part number (P/N) supersession data. This CID supersedes the following manufacturers P/N as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE III. P/N supersession data.

CID dash number	MFR's CAGE	MFR's P/N <u>1/</u>
AA5551703****	08KU4	CR50S
	56637	CF50S

1/ The manufacturers P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown.

Government users. To acquire information on obtaining these resistors from the Government inventory system, Defense Supply Center, Columbus, ATTN: DSCC-CPB, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7678.

MILITARY INTERESTS:

Custodians:
Navy - EC
DLA - CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing activity:

DLA - CC

Project 5905-1688-03